TSG-RAN Working Group 1(Radio) meeting #8 ***TSGR1#7(99)H18***
New York, USA, 12-15 Oct., 1999

Agenda Item: **Ad Hoc 10**

Source: **AH10 Chairman**

Title: **Conclusion for R1-99g31 titled "Questions and Answers about Time Delay between Physical Channels of Different Scrambling Codes"**

Document for: **Decision**

A short AH10 meeting was held for 45 minutes and discussed LGIC proposal.

Discussions and Conclusion for R1-99g31

1. Additional complexity of UE is minor.
2. Additional complexity of BTS is shown in Table 1 in R1-99g31 and recognized as not so much by members.
3. The opinion was raised that the scheme which is optional in BTS and mandatory in UE leads to the increase of tests for UE. The other opinion was raised that considering the increase of tests due to this scheme is out of scope of standardization.
4. Interference reduction ratio is 3.62% compared to the current scheme at intracell interference dominant condition (P intra/Pinter =9dB) in Indoor A and 3.06% in Pedestrian A.
5. Interference reduction ratio is 2.42% compared to the current scheme at intracell interference non-dominant condition (P intra/Pinter =0dB) in Indoor A and 1.87% in Pedestrian A.
6. Some members raised concerns for introducing the new scheme at this stage according to the standardization time schedule.
7. This scheme is not included in Release '99 while the investigation on the merits will be continued in the next year towards Release 2000. E-mail discussion should be continued.

Table 1. Complexity increase in modulator in R1-99g31

Complexity	Currnet Method	Proposed Method
Over-sampler	1 unit	(M+2) units
Delay unit	•	M units
Adder operation Per chip duration	1 operation	2 operations